CHAPTER V.

FOREST ADMINISTRATION.

ADMINISTRATIVE CHARGE.

105. The Camp was despatched by rail to Godhra from head-quarters in the last days of October. After attending at Thána on the occasion of the visit to that station of His Excellency the Governor, I joined my Camp at Godhra on the 5th November and was present during His Excellency the Governor's visit to the Panch Maháls. At Godhra I was joined by Mr. Millett, Divisional Forest Officer, Working-Plans, and in company with him I inspected a considerable portion of the forest area of the Godhra Range both from Godhra and from a central Camp at Kandia. After completing the inspection of the Divisional Office at Godhra the Camp moved to Vejalpur on the 4th December, Mr. Millett being left to complete a more extensive and detailed inspection of the Godhra Reserves with a view to the preparation of a Working-Plan. Though in Godhra the teak is very nearly at its limit, I have never seen such complete natural reproduction of this species as in the Godhra Forests, but unfortunately this advantage is almost completely lost through the annual fires which sweep through these reserves. From Vejalpur the northern forests of Kálol were inspected and the Camp was moved to Chámpáner at the foot of Pawgarh Hill on the 15th. The forests here are not intrinsically so valuable as those in the north of the division, partly because only a part of them contain teak, and partly owing to their inaccessibility. They are however, professionally; most interesting; for their approximate age and history are known and they should yield some valuable data as to rate of growth when the Working-Plan Officer takes them in hand. From Chámpáner the Camp marched to Baroda, whence it was sent off by train on the 24th to Balsár. During the Christmas holidays the orders of Government directing me to report on the Reserved Forests of Modása were received and the Camp was accordingly sent by rail to Ahmedabad and thence marched to Harsool, where the Collector was interviewed. Thence I marched to Modása and south through the whole Modása Petha, inspecting the reserves, *viâ* Kapadvanj to the Railway at Dákor, Thence the Camp was once more moved by train to Kim, whence I marched through the Mándvi Táluka of Surat, inspecting the Forest Reserves of that most important range, more especially in connection with the special measures of fire protection initiated by Mr. Wallinger, the Divisional Forest Officer. Up to the 5th March when I left Mándvi *en route* for the Dángs, these measures had been completely successful. From Mándvi I marched through Gáikwári territory to Mahiskatri in the Dángs, where I was infortunately delayed for 10 days owing to my whole establishment being prostrated with fever. I had intended to have inspected some of the Derbhaoti Forests, but was obliged to omit this in order to reach Waghai by the 20th, when the annual darbar held by the Divisional Forest Officer for the payment of the half-year's rent to the Rájáhs was fixed to come off. I was particularly anxious to attend this darbár as it was rumoured that the Rájáhs were dissatisfied with the demarcation sanctioned and intended to take advantage of the darbár to 'demonstrate.' They did in fact refuse to accept the enhanced rate of rent sanctioned by Government, demanding the old rent, the cancellation of the demarcation, and a return to the *status quo ante*. I am glad to say, however, that after several hours of talking we were able to induce them to accept their rent at the enhanced rate provisionally, subject to an appeal to the Political Agent at the May darbar. From Waghai I moved *viâ* Bánsda and Balsár to Dáhánu, which was reached on the 6th April. Here I was again delayed, for my whole establishment was again prostrated by fever. Some of my private servants were so ill that they had to be replaced. Leaving Dáhánu on the 15th April, I marched *viâ* Kase and Manor to Váda, and thence *viâ* Akloli and Parol to Ghodbandar, inspecting numerous coupes in the Dáhánu, Máhim, Váda, Bhiwndi and Bassein Ranges. The system of working in force in Thána seems to be well suited to the conditions required by the circumstances of the district. I was fairly well satisfied on the whole with what I saw of the results of this system of working which has now been in force for 6 or 8 years. But I cannot disguise the fact that the future of the Thána

Forests is jeopardized by the constantly recurring forest fires. Reproduction for the next rotation is, I think, amply secured by the coppice shoots from the stools of the trees cut, but it must be remembered that these stools cannot be expected to go on coppicing indefinitely and that it is therefore absolutely necessary to supplement them in each rotation by a certain proportion of new seedling growth. This, I regret to record, we are not now doing to the necessary extent, and the reason of the failure is undoubtedly forest fires. After a short stay at Ghodbandar, I returned to head-quarters for the monsoon on 29th May.

106. The various divisions were held by officers as follows:—

No.	Division.	Name of Officer.	Rank.	Designation.	Period of holding charge. From	To
1	East Thána ...	C. Greatheed ...	Deputy Conservator of Forests, 3rd Grade.	Divisional Forest Officer.	1st July 1894 ...	19th March 1895.
		G. P. Millett ...	Do. do. 4th Grade.	Do. ...	20th March 1895 ...	30th May 1895.
		C. Greatheed ...	Do. do. 3rd Grade.	Do. ...	31st May 1895 ...	30th June 1895.
2	West Thána ...	G. P. Millett ...	Do. do. 4th Grade.	Do. ...	1st July 1894 ...	10th November 1894.
		C. M. Hodgson ...	Do. do. 4th Grade.	Do. ...	11th November 1894.	30th June 1895.
3	Surat	W. A. Wallinger ...	Extra Assistant Conservator of Forests, 2nd Grade.	Do. ...	1st July 1894 ...	11th June 1895.
		C. G. Dalia	Do. do. 4th Grade.	Do. ...	12th June 1895 ...	30th June 1895.
4	Panch Mahals .	W. F. D. Fisher ...	Assistant Conservator of Forests, 2nd Grade.	Do. ...	1st July 1894 ...	27th July 1894.
		A. Stewart	Deputy Conservator of Forests, 3rd Grade.	Do. ...	28th July 1894 ...	12th June 1895.
		W. A. Wallinger ...	Extra Assistant Conservator of Forests, 1st Grade.	Do. ...	13th June 1895 ...	30th June 1895.
5	Working-Plans.	G. P. Millet ...	Deputy Conservator of Forests, 4th Grade.	Do. ...	1st July 1894 ...	Do.

The following officers held charge of the sub-division during the year:—

No.	Division.	Name of Officer.	Rank.	Designation.	Period of holding charge. From	To
1	East Thána ...	A. N. Master ...	Extra Assistant Conservator of Forests, 3rd Grade.	Sháhápur Sub-division Forest Officer.	1st July 1894 ...	30th June 1895.
		Do ...	Do. do. ...	Kalyán Sub-division Forest Officer.	Do. ...	8th July 1895.
		K. B. Phadke ...	Do. do. ...	Do. ...	9th July 1894 ...	30th June 1895.
2	West Thána ...	V. D. P. Rebeiro ...	Do. do. ...	Bassein Sub-division Forest Officer.	1st July 1894 ...	2nd January 1895.
		C. M. Hodgson ...	Acting Deputy Conservator of Forests, 4th Grade.	Do. ...	3rd January 1895 ...	17th February 1895.
		V. D. P. Rebeiro ...	Extra Assistant Conservator of Forests, 3rd Grade.	Do. ...	18th February 1895 .	30th June 1895.
		W. R. Gaunde ...	Do. do. 1st Grade.	Dáhánu Sub-division Forest Officer.	9th August 1894 ...	22nd February 1895.
		Shaikh Hassan Alli Mahomed Alli ...	Acting Extra Assistant Conservator of Forests, 4th Grade.	Do. ...	23rd February 1895 .	22nd April 1895.
		W. R. Gaunde ...	Extra Assistant Conservator of Forests, 1st Grade.	Do. ...	23rd April 1895 ..	30th June 1895.
3	Surat	C. G. Dalia	Do. do. 4th Grade.	Surat Sub-division Forest Officer.	1st July 1894 ...	Do.

107. The following are the minutes recorded by the various Collectors in forwarding the forest administration reports of their districts:—

(1). Mr. Cappel's minute on the West Thána report:

"1. The revenue of the West Division has again considerably increased and the administration appears to have been as successful as could be expected considering the difficulties that have to be met.

"2. The conduct of prosecutions has been well managed, the percentage of failures being better by nearly 50 per cent. than in the previous year.

"3. Expenditure appears to have decreased, though, as remarked last year, the revenue of the Thána forests might bear a larger outlay. The need of this is the chief burden of Mr. Hodgson's report. Forest roads, more fencing, and increased establishment would apparently offer a good investment if, as is stated, the value of the forests is depreciated owing to want of access and if deficiency of protection leads to wholesale looting. If it is the fact that owing to the poor quality and insufficiency of the guards the re-afforestation of cleared compartments, on which the whole working plans scheme rests, is endangered and that 'the more valuable western forests are being slowly destroyed instead of improved,' the situation is sufficiently serious. The undersigned knows nothing of the Thána forests, and it is for the Deputy Conservator to decide whether the case has been more successful on the whole than in the previous year. Fire-tracing appears to have been of little use and Mr. Hodgson gives reasons for believing the system to be unsuited to forests in this division.

"Mr. Hodgson's report is full and interesting."

(2). Mr. Cappel remarks on the East Thána Divisional Forest Officer's report:

"There is very little in this report which calls for remark by the Collector. The penal administration has on the whole shown progress; the number of detected offences and the number of cases compounded being larger than last year, while the total number of offences has remained practically stationary."

(3). The Collector of Panch Mahâls remarks as follows on the Panch Mahâls report:

"There has been considerable delay in the submission of the report, but Mr. Wallinger has explained the cause in his forwarding letter as mainly due to his having only been in this district for a few weeks during the latter part of the year under report, and the Collector is satisfied that the delay has certainly not been due to any want of industry or energy on the part of Mr. W. A. Wallinger.

"2. The movements of the late Divisional Forest Officer Mr. Stewart seem to have been somewhat hampered by the indifferent health of which he so constantly complains and also perhaps to some extent by lack of suitable means of locomotion.

"3. The financial results, as given in Chapter IV of the report, must be admitted to be on the whole satisfactory.

"4. The grazing rules seem to be working fairly smoothly, but mutterings of discontent and alleged hardship have been heard from time to time, and the Collector noticed when doing the jamábandi of the Dohad Táluka, the necessity for throwing open more of the full grown forest area to grazing. He found that in some cases the grass in closed forests near villages had been sold in a hole-and-corner way for very little to Borahs or local money-lenders, who thus made a good thing out of the transaction at the expense of the poorer villagers. Care ought, the Collector considers, to be taken that the interests of Government cultivators are not sacrificed in this way for the benefit of speculators in grass.

"5. Another thing the Collector noticed was that in giving out land for cultivation undue and vexatious delay had arisen because the Revenue authorities had had to wait for the valuation of the standing teak trees by the Forest Department. He found that in most cases the teak trees standing in the numbers were small and of trifling value, and he considers that in future the Mámlatdárs should value these isolated trees without troubling the Forest Department who have quite enough to do in protecting and preserving the forest proper and have not the time to spare to count trees in remote and scattered waste numbers given out to cultivation. Seeing that in the greater portion of the Panch Mahâls nearly every acre given out to cultivation has a more or less scattered growth of reserved trees, it is ridiculous to trouble the higher forest authorities before permitting the waste to be brought under the plough.

"6. Cases also come to notice where, after the reserved trees had been cut down by the Forest Department and sold, the cultivators were not allowed to touch the after-growth, and some Patels complained bitterly of the constant interference of petty Forest subordinates. It should, the Collector considers, be clearly understood that once the reserved trees in a survey number have been cut down and sold on behalf of the Forest Department, no further interference with the occupant should be attempted by the Forest Department or its underlings.

"7. The delay in the submission of Mr. Millett's Working-Plan Report of the Godhra Range is to be regretted. The report was received in this office in the beginning of April last, but before forwarding it on, my predecessor, Mr. Gibb, called for a statement from the Mámlatdár of Godhra showing the grazing requirements of the táluka. This statement and Mr. Millett's report were sent on to Mr. Wallinger in July last and he was asked kindly to compare the details of demand with his experience in the Surat district.

"8. The Working-Plan has been drawn up with the thoroughness and ability which usually distinguish Mr. Millett's work and will prove an excellent model for future guidance.

"9. In reviewing the forest reports of the Panch Mahâls, it must never be forgotten that no attempt has as yet been made to *work* the Government reserves! The land included in the reserves has been simply taken up and declared State forests, and nearly all the forest revenue hitherto realised in this district has been derived from the sale of Government timber on waste or occuppied lands outside forest.

"10. Too much of the attention of forest subordinates has, perhaps, been devoted to realization of revenue from these outside sources, and the Collector fears that this distraction, or attraction, has not proved beneficial to due protection, care, and conservation of the forest proper. This, perhaps, partly accounts for the many cases of "loot" and "slackness" noticed by Mr. Stewart in his diary.

"11. Nearly every paragraph of the report under the heading 'Regulation of management' shows how necessary systematic concentration of attention on the due conservation of the forest reserves proper has become!

"12. Seventy-five cases of undetected forest fires and such estimates of damage done as Rs. 103 for 20·311 acres of forest burnt speak for themselves!

"13. The Collector considers no good purpose would be served by his following Mr. Stewart through the arguments leading to the conclusion that 'more establishment is necessary.' It seems to the Collector, as above stated, that due concentration of existing forces is what is required at present.

"14. The increase in impoundings is not a wholesome feature in the year's administration and the statement that 'no end of cattle has been impounded and yet the evil continues points its own moral!'

"15. German, French and Russian forest experience proves that no successful forest conservation has ever been possible with a hostile country side, and the Collector is of opinion that every effort should continue to be made to work with and not against the agricultural population in the management of the remote and very difficult Panch Mahál forests."

(4). Mr. Lely, Collector of Surat, was absent on leave and Mr. Cumine busy with the Dhulia riots, so that there was no minute recorded on the Surat Report.

108. The extra Assistants have worked well, but Mr. Wáman Rámchandra Gaunde was much troubled with fever and for nearly two months of the working season was absent, during which time Mr. Hasanalli Mahamadalli, Range Forest Officer of Dáhánu, acted for him.

109. Mr. Wallinger, extra Assistant Conservator, as Divisional Forest Officer, Surat, worked very well and deserves commendation for his efforts to protect the Mándvi forests from fire.

110. On the whole the Range Forest Officers have worked well during the year; the following are specially mentioned in the divisional reports:—

1. Hassanalli Mahomedalli.
2. Sheik Ahmed Nur Mahamad.
3. Sadashiv Pandurang
4. Narayan Rajaram Wadwatharkar.
5. Hari Anant Bhadbhade.
6. Sheik Usman Shiek Edrus.
7. Tukaram Sakharam Mali.

111. In addition to the 4 men convicted of penal offences, as mentioned in paragraphs 50, 51 and 52, 13 Forest guards were dismissed during the year, the reasons assigned being over-staying leave and general misconduct.

112. The Divisional Forest Officer's office establishments are reported to have worked well as has that of the Deputy Conservator of Forests under Mr. Shivrám Bhikáji Ráingnekar.

113. The mortality amongst the guards was not so heavy as last year. Only 9 guards died—6 in East Thána and 3 in Panch Mahál; all these guards died of fever; a clerk in the West Thána and a Surveyor in the Working-Plans divisions died of fever.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Bándra, 24th October 1895.

FORM No. 46.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Area of Reserved Forests, 1894-95.

Division.	Civil District or Territory.	Name of Forest.	Area on 1st July 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1895.		No. and date of Notification of addition or transfer.	Remarks.
			Acres.	Equivalent in Square Miles.	Acres.	Acres.	Acres.	Equivalent in Square Miles.		
1	2	3	4	5	6	7	8	9	10	11
				Sq. m. a.				Sq. m. a.		
East Thána ...	Tháńa	...	230,967	360 567	4,565	10	235,522	368 2	Nos. 7111 27-8-94, 591 24-1-95, 1186 12-11-95, 4360 17-5-94, 9788 30-11-94.	
West Thána ...	Do.	...	196,874	307 394	47,192	2,682	2,41,384	377 104	Nos. 4610 28-5-94, 4619 28-5-94, 5269 20-6-94, 4567 24-5-94, 5312 21-6-94, 1007 8-12-94, 4609 28-5-94, 896 2-11-95.	
Surat	Surat	...	43,997	68 477	719	94	44,622	69 462	Nos. 1299 15-2-95, 4264 7-6-95.	
Panch Maháls ...	Panch Maháls ...	...	213,530	333 410	2	2	2,13,530	333 410	Nos. 8787 26-10-94. 4907B 7-6-94. 4907C 7-6-94.	
Ahmedabad, Modása.	Ahmedabad ...	...	21,561	33 441	...	...	21,561	33 441		
		Total ...	706,929	1,104 369	52,478	2,788	7,56,619	1,182 139		

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 46A.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Area of Protected Forests, 1894-95.

Division.	Civil District or Territory.	Name of Forest.	Area on 1st July 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1895.		No. and date of Notification of addition or transfer.	Remarks.
			Acres.	Equivalent in Square Miles.	Acres.	Acres.	Acres.	Equivalent in Square Miles.		
1	2	3	4	5	6	7	8	9	10	11
				Sq. m. a.				Sq. m. a.		
East Thána ...	Thána	...	206,155	322 75	...	111	206,044	321 604	Nos. 6612, 7-8-94, 1702, 28-2-95, 7372, 4-9-94. 10588, 22-12-94, 1386, 18-2-95, 8770, 30-10-94.	
West Thána ...	Do.	...	180,194	281 354	...	98,560	81,634	127 354	Nos. 4619C, 28-5-94, 617, 25-1-95. 4567D, 24-5-94,	
Surat	Surat	...	...	...	...	...	...	...		
Panch Mahals ...	Panch Mahals ...	...	...	...	...	...	...	...		
Ahmedabad, Modasa.	Ahmedabad ...	...	...	...	...	...	...	...		
		Total ...	386,349	603 429	...	98,671	287,678	449 318		

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

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FORM No. 47.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Statement showing the Progress made in, and the Expenditure incurred on, Forest Settlements during 1894-95.

Name of Forest Division.	Name of Civil District or Territory.	Area already settled at commencement of the year.	AREAS FINALLY SETTLED DURING THE YEAR.						AREAS UNDERGOING SETTLEMENT.						REMARKS.
			Number and date of Government order according final sanction to the Settlement.	Name of Forest settled.	Area in Square Miles.	Expenditure incurred during the year on areas finally settled.		Entire Cost per Square Mile of Areas finally settled during the year.	At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on Areas undergoing settlement.		
						In Forest Accounts.	In other Accounts.		Name of Tract.	Area in Square Miles.	Name of Tract.	Area in Square Miles.	In Forest Accounts.	In other Accounts.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16.
		Sq. m.				Rs. a. p.	Rs. a. p.	Rs.					Rs.	Rs.	
East Thána ...	Thána	317½	4360 / 17-5-94.	Khardi	2				Murbád ...	140½	Murbád ...	140·6	...	...	
				Sháhápur ...	5				Sháhápur ...	...	Sháhápur ...	0·2	...	...	
			7111 / 27-8-94. and 591 / 24-1-95	Bhiwndi and Kalyán.	0·1				All other areas forming East Thána.	3	All other areas forming East Thána.	0·1	...	...	
West Thána ...	Do.	329	4619 / 28-5-94.	Dáhánu... ...	15	*7,447 1 10	12,127 1 8	...	Dáhánu ...	177	Dáhánu ...	176	...	...	*It is impossible to say how much of the expenditure was incurred on areas settled during the year and how much on other.
			4567 / 24-5-94 and 10071 / 8-12-94.	Máhim	59				Umbargaon .	47	Umbargaon .	47	...	...	
			4610 / 28-5-94 and 4609 / 28-5-94.	All other areas forming West Thána.	0·01				All other areas forming West Thána.	5	All other areas forming West Thána.	0·1	...	...	
	Total ...	646½	.....	.....	81·11	7,447 1 10	12,127 1 8	...	.....	372½	.....	364	...	...	

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 48.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Record of Demarcation and Maintenance of Boundaries, 1894-95.

Division.	Length of Boundaries artificially demarcated during the year.	Length of previously existing Boundaries repaired.	Length of previously existing Boundaries not repaired.	Total length of artificially marked Boundaries at the close of the year.	Length of Boundaries not demarcated at the close of the year.	Length of natural Boundaries not requiring artificial marks.	Total length of Boundaries at the close of the year.	EXPENDITURE ON DEMARCATION DUDING THE YEAR.		REMARKS.
								On new Work.	On Repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
East Thána	17	205½	882	1,104⅓	60½	...	1,165	83	113	
West Thána	34½	...	431½	466	526	170	1,162	68	...	
Surat	30½	11	587	628½	274½	...	903	735*	76	* Includes Rs. 62-14-9 on account of Dángs.
Panch Mahás	23	5	409 9/10	437 9/10	240⅙	79	757 1/15	2,271	11	
Total ...	105	221½	2,310⅖	2,636 9/10	1,101⅙	249	3,987 1/15	3,157	200	

Camp Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 49.

Forest Survey Department.

Statement of Forest Areas surveyed and under survey during the Forest year 1894-95 in the Northern Circle.

Division.	Areas surveyed and under survey during the year.																						Areas remaining to be taken under Survey.	Total Forest area at end of the as per Form No. 46.	COST.			Remarks
	Special Surveys—Maps on 1" scale or over by Survey of India Department or Forest Survey Branch.								*Ordinary, included in District Surveys.*								*Chain and Compass or other Surveys by local Officers.*											
	WITH INTERIOR DETAILS.					BOUNDARY SURVEYS.			WITH INTERIOR DETAILS.					BOUNDARY SURVEYS.			WITH INTERIOR DETAILS.					BOUNDARY SURVEYS.								
	With details of Growing Stock.		Without details of Growing Stock.		Total cost.	Previous.	Of the year.	Total cost.	With details of Growing Stock.		Without details of Growing Stock.		Total cost.	Previous.	Of the year.	Total cost.	4-inch or over.		Under 4-inch.		Total cost.	Previous.	Of the year.	Total Cost.			Previous.	Of the year.	Entire cost of all Surveys to end of the year.	
	Previous.	Of the year.	Previous.	Of the year.					Previous.	Of the year.	Previous.	Of the year.					Previous.	Of the year.	Previous.	Of the year.										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
				Sq. m.	Rs.																									
North Thána.																														
Triangulation ...	...	..	....	205	1,905	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Includes 349 linear miles of traverse.
Detail Survey 8" ...	...	...	...	55·51	9,272	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total ..	...	...	...	...	11,177	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

Poona, 18th August 1895.

J. R. HOBDAY, Lieut.-Colonel, S. C.,
Superintendent, Bombay Forest Surveys, Northern Circle.

B 1319—8 NC

FORM No. 50.

FOREST DEPARTMENT, NORTHERN CIRCLE.

Progress made in Working-Plans, 1894-95.

Division.	AREAS FOR WHICH WORKING-PLANS HAVE BEEN COMPLETED.		AREAS FOR WHICH WORKING-PLANS ARE BEING COMPILED.		Areas for which Working-Plans have still to be taken in hand.	Total Forest area, as in Form No. 46.	Entire cost per square mile of Working-Plans completed.	REMARKS.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.		
East Thána	192	.....	42	.....	395	*629	There is no record showing the expenditure for each Working-Plans.†	* These figures represent area of forest as scaled and, therefore, they will not compare with figures in Form No. 46. † As the charges are debited in lump, separate figures for each division are not available.
West Thána	80	119	21	.....	226	*446		
Surat	.....	.....	68·477	.....	68·477	68·477		
Panch Mahals	.....	.....	.....	139	.....	139		
Total ...	272	119	131·477	139	689·477	1,282·477	.....	

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 51.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Communications and Buildings during 1894-95.

Division.	NEW WORK UNDERTAKEN DURING THE YEAR.						REPAIRS EXECUTED DURING THE YEAR.					
	Buildings.		Roads and Paths.			Total expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on Repairs.
	Description of Building.	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred.	
1	2	3	4	5	6	7	8	9	10	11	12	13
East Thána.	*Shahapur.*	Rs. a. p.		Miles.	Rs.	Rs. a. p.		Rs. a. p.		Miles.	Rs.	Rs. a. p.
	1 Cattle pound ...	20 0 0	.....	...	...	20 0 0	Repairs to 2 Forest guards' huts and thatching to 17 Forest guards' huts.	63 0 0	.....	...	...	63 0 0
	1 Forest guard's hut.	10 0 0	.....	...	...	10 0 0						
	Bhiwandi.											
	.....	.....	.....	...	...	.....	For repairing and thatching 23 guards' huts.	123 8 0	.....	...	...	123 8 0
	Mokhada.											
	.....	.....	.....	...	...	.....	For repairing 4 Forest guards' huts and 1 Forest Depôt.	6 0 0	.....	...	...	6 0 0
	Kalyán.											
	1 Forest guard's hut.	15 0 0	.....	...	...	15 0 0	For repairing 5 Forest guards' huts and thatching 17 guards' huts.	64 12 0	.....	...	...	64 12 0
	Khardi.											
	2 Forest guard's huts.	17 0 0	.....	...	...	17 0 0	For thatching 20 Forest guards' huts.	60 0 0	.....	...	...	60 0 0
	Vádá.											
	2 Forest guard's huts.	11 15 0	.....	...	...	11 15 0	For thatching and repairing 25 Forest guards' huts.	92 8 0	.....	...	...	92 8 0
	Murbád.											
	.....	.....	.....	...	...	.....	For thatching 18 Forest guards' posts and repairs to 1 cattle-pound.	59 0 0	.....	...	...	59 0 0
	Total ...	73 15 0	.....	...	...	73 15 0		468 12 0	.....	...	...	468 12 0
West Thána.	*Salsette.*											
	1 Cattle pound ...	29 10 6	.....	...	...	29 10 6	For thatching 1 cattle pound and 9 Forest posts.	27 4 0	.....	...	...	27 4 0
	Basséin.											
	2 Cattle pounds ...	39 15 0	.....	...	...	59 15 0	For thatching 6 cattle pounds.	14 5 3	.....	...	...	158 7 3
	2 Forest guards' huts.	20 0 0					For thatching 20 Forest posts.	50 0 0				
							For thatching 2 Forest rest-houses.	81 8 0				
							For thatching 1 Depôt.	12 10 0				
	Mdhim.											
	.....	.....	.....	...	...	.....	For thatching 1 cattle pound and 2 Forest huts.	68 14 0	.....	...	...	68 14 0
	Dáhánu.											
	2 Cattle pounds ...	29 7 0	.....	...	...	50 14 3	For thatching 21 Forest guards' huts.	52 8 0	.....	...	...	52 8 0
	1 Forest Depot ...	21 7 3										
	Umbargaon											
	1 Forest post ...	5 0 0	.....	...	...	5 0 0	For thatching 4 cattle pounds and 20 Forest posts.	63 0 0	.....	...	...	63 0 0
	Total ...	145 7 9	.....	...	...	145 7 9		370 1 3	.....	...	...	370 1 3
Surat.	*Dángs.*											
	Part construction of Pipáldahad rest house.	1,200 0 0	Construction of a new road from Pipaldahad to Pipalgothan.	3	74		Repairing, tiling and additions to Sarowar rest-house.	390 0 0	Repairs to road from Ambiká to Kadkach.	5	38	.....
	Do. Ahwa and Mahal rest-houses.	1,750 0 0					Do. to Waghai rest-house.	43 0 0	Do. Kadkach to Pimpri.	5	60	.....
	Erection of Waghai post.	125 0 0	Do. to Muramvihir,	3	121		Do. to Mahiskatri rest-house.	32 0 0	Do. Pimpri to Garvi.	10	62	.....
							Do. Pimpri rest-house.	6 0 0	Do. Garvi to Dhovra.	12	38	.....
	Wire fencing to Wághai Depôt.	199 0 0	Do. to Sabir,	6	35		Do. Garvi rest-house.	62 0 0	Do. Dhovra to to Wadpádá.	5	62	.....
	Part payments for Mahiskatri and Kadmal wells.	700 0 0	Do. Sabir to Kadmal viá Kasárbári.	6	113		For purchasing 16,000 tiles.	93 0 0	Do. Wadpádá to Zakrahari.	12	43	.....
								626 0 0	Do. Waghai to Barina Gamtha,	6	13	.....
							Removing debris from Galkund well	6 0 0				
	Total ...	3,974 0 0		18	343	4,317 0 0		632 0 0		...	...	.....

FORM No. 51—*continued.*

Division.	New Work undertaken during the Year.						Repairs executed during the Year.					
	Buildings.		Roads and Paths.			Total expenditure on new work.	Buildings.		Roads and Paths.			Total Expenditure on Repairs.
	Description of Building.	Expenditure incurred.	Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.		Nature of Repairs.	Expenditure incurred.	Nature of Repairs.	Length repaired.	Expenditure incurred.	
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs. a. p.		Miles.	Rs.	Rs. a. p.		Rs. a. p.		Miles.	Rs.	Rs. a. p.
Surat—*continued.*	*Bulsár.*						*Bulsar.*					
	Construction of Vejálpur forest lines.	648 0 0	....	..	..	....	Repairs, &c., to Vejálpur stable.	5 0 0	Repairs to road from Borinagámthá to Kákdá.	11	119	....
	Erection of Párnerá forest post.	29 0 0	....	..	..	....	Repairs, &c., to Wagrech Depôt.	6 0 0	Do. Kákda to Bhálkhet.	6	104	....
									Do. Bhálkhet to Kasarbari.	9	93	....
	Total ..	677 0 0	....	..	..	677 0 0		....	Do. Jharni to Sarwar bungalow.	4	31	....
									Do. Bhálkhet to Sarowar Sodmál.	7	17	.....
	Chikhli.						*Chikhli.*					
	Construction of Saraia forest lines.	96 0 0	....	..	..	100 0 0	Repairs to Gandewa post.	3 0 0	Bridge repairs from Waghai to Pimpri.	10	32	....
	Completion of Gandeva post.	4 0 0	....	..	..		Repairs to Dalwada post.	11 0 0				
	Total ..	100 0 0	....	18	343	5,313 6 9		657 0 0	....	102	712	838 13 3
	Mandvi.						*Mandvi.*					
	Construction of Uskhed post.	67 0 0	....	..	..	....	Repairs to Dhuj post.	3 0 0	....	..	..	....
	Re-erection of Loharwad post.	10 0 0	....	..	..	....	Repairs to Khodamba.	6 0 0	....	...	...	....
	Re-erection of Gámtaláo Khurd.	11 0 0	....	..	..	....	Repairs to Mandvi Kutchery.	7 0 0	.....	..	..	....
	Part payment for Mandvi rest-house.	1,820 0 0	....	..	..	....	Repairs to Pipalwada post.	3 0 0	....	..	..	....
							Repairs to Dhadwada and Tarapur posts.	8 0 0	....	...	..	....
	Total ..	1,908 0 0	....	..	..	1,908 0 0		684 0 0	....	102	712	1,396 0 0
Panch Mahals.	*Godhra.*											
	6 Forest post including one depôt house.	138 0 0	....	..	..	138 0 0	Repairs to Divisional bungalow outhouses and stables including walls with bricks of some of the rooms which were in dilapidated condition and turning of tiles, &c.	300 0 0	....	...	..	310 0 0
	Kálol.											
	2 Forest posts ..	40 0 0	....	..	..	40 0 0						
	Hálol.											
	3 Forest posts ..	60 0 0	....	..	..	60 0 0	Turning tiles of Godhra office.	4 0 0				
	Dohad.						Repairs to Wáo post in Hálol.	6 0 0				
	3 Forest posts ..	60 0 0	....	..	..	60 0 0						
	Jhalod.											
	2 Forest posts ..	37 0 0	....	..	..	37 0 0						
	Total ..	335 0 0	....	..	..	335 0 0		310 0 0	....	..	..	....
	Grand Total ..	7,213 6 9	....	18	343	7,556 6 9		1,832 13 3	....	102	712	2,541 13 3

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 52.

Forest Department, Bombay, Northern Circle.

Prosecutions for Breaches of Forest Rules during 1894-95.

Forest Division and Civil Districts.		Cases pending from 1893-94.	New Cases of the Year.					Total Cases.	Disposed of during the Year.						Cases pending at close of year.
			Injury to Forest by Fire.	Unauthorized felling or appropriation of Wood and Minor Forest Produce.	Grazing without Permission or in Tracts in which Grazing is prohibited.	Other Offences.	Total new Cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
		2	3	4	5	6	7	8	9	10	11	12	13	14	15
East Thána ...	A. ...	60	10	136	7	4	157	217	115	198	65	259	180	457	37
	B. ...	...	6	130	3	6	145	145	145	402	...	...	145	402	...
	C. ...	...	234	419	...	10	663	663	...	...	...	...	...	...	...
	Total ...	60	250	685	10	20	965	1,025	260	600	65	259	325	859	37
West Thána ...	A. ...	22	...	48	1	2	51	73	49	119	18	63	67	182	6
	B. ...	...	...	129	1	5	135	135	135	170	...	...	135	170	...
	C. ...	...	134	114	...	3	251	251	...	...	...	...	...	...	...
	Total ...	22	134	291	2	10	437	459	184	289	18	63	202	352	6
Surat ...	A. ...	...	5	9	...	...	14	14	12	12	1	2	13	14	1
	B. ...	...	1	12	...	1	14	14	14	29	...	...	14	29	...
	C. ...	...	59	1	...	...	60	60	...	...	...	...	...	...	...
	Total ...	...	65	22	...	1	88	88	26	41	1	2	27	43	1

Panch Mahals ...	A. ...	4	2	47	14	2	65	69	54	107	10	30	64	137	5
	B. ...	...	...	142	12	3	157	157	157	251	...	...	157	251	...
	C. ...	...	75	31	...	...	106	106	...	...	...	...	...	...	...
Total ...		4	77	220	26	5	328	332	211	358	10	30	221	388	5
Abstract of the above Totals.															
A. ...		86	17	240	22	8	287	373	230	436	94	354	324	790	49
B. ...		...	7	413	16	15	451	451	451	852	...	...	451	852	...
C. ...		...	502	565	...	13	1,080	1,080	...	...	...	...	...	...	...
GRAND TOTAL ...		86	526	1,218	38	36	1,818	1,904	681	1,288	94	354	775	1,642	49

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

B 1819—9.MC

FORM No. 53.

Forest Department, Bombay, Northern Circle.

Area of Forest Tracts protected from Fire during 1894-95.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1893-94.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
			Acres.	Acres.	Acres.	Acres.	Rs.	
East Thána ...	Sháhápur	1878-79	144,530	82,628	13,188	69,440	322	
	Khardi	1878-79		72,407	1,588	70,824	177	
	Mokháda	,, ...	48,567	35,604	2,015	33,589	56	
	Kalyán	,, ...	32,636	35,025	2,107	32,918	252	
	Murbád	,, ...	88,486	89,871	2,569	87,302	183	
	Bhiwndi	,, ...	45,304	47,860	3,578	44,282	218	
	Váda	,, ...	74,684	76,812	1,408	75,404	268	
	Total ...	...	434,207	440,207	26,448	413,759	1,476	
West Thána ...	Sálsette	1878-79 ...	14,093	15,631	359	15,272	172	
	Basscin	,, ...	52,493	54,633	2,367	52,266	383	
	Máhim	,, ...	71,621	74,937	490	74,447	718	
	Dáhánu	,, ...	102,457	142,173	434	141,739	416	
	Umbargaon ...	,, ...		35,647	56	35,591	452	
	Total ...	...	240,664	323,021	3,706	319,315	2,141	
Surat	Dángs	1878-79 ...	2,000	434,240	432,240	2,000	111	
	Mándvi	,, ...	29,673	41,846	16,374	25,472	1,314	
	Bulsár	,, ...	984	988	...	988	12	
	Párdi	,, ...	573	522	...	522		
	Chikhli	,, ...	825	826	...	826	22	
	Bárdoli	,, ...	435	451	...	451		
	Total ...	...	34,490	478,873	448,614	30,259	1,459	
Panch Mahals...	Godhra	1878-79 ...	82,437	89,351	16,372	72,979	6	
	Kálol	,, ...	19,597	22,262	105	22,157	22	
	Hálol	,, ...	23,760	28,493	740	27,753	9	
	Dohad	,, ...	43,583	46,546	1,800	44,746	18	
	Jhálod	,, ...	26,877	26,878	1,294	25,584	8	
	Total ...	...	196,254	213,530	20,311	193,219	63	
	Grand Total ...	...	905,615	1,455,631	499,079	956,552	5,139	

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Bándra, 24th October 1895.

FORM No. 54.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Area closed and open to Grazing during 1894-95.

Division.	Area in Square Miles.						Remarks.
	Closed to all Animals.		Closed to Browsers (Camels, Goats or Sheep).		Open to all Animals.	Total Area.	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
1	2	3	4	5	6	7	8
East Thána.							
Sháhápur	12¼	...	129	...	...	129	
Khardi	13	...	116	...	...	116	
Mokháda	3½	...	55	...	...	55	
Murbád	5¾	...	140	...	...	140	
Kalyáu	9	...	54½	...	...	54½	
Bhiwndi	10	...	75	...	...	75	
Váda	12	...	120	...	...	120	
Total ...	65½	...	689½	...	...	689½	
West Thána.							
Sálsette	9¼	...	24	...	...	24	
Bassein	15	...	85	...	...	85	
Máhim	24	...	117	...	...	117	
Dáhánn	29¼	...	222	...	...	222	
Umbargaon	7	...	55	...	...	55	
Total ...	84½	...	503	...	...	503	
Surat.							
Dángs	...	...	...	...	678	678	
Mándvi	27	37	64	...	...	64	
Bulsár	½	1¾	2¼	...	...	2¼	
Chikhli	½	1½	2	...	...	2	
Total ...	28	40¼	68¼	..	678	746¼	
Panch Maháls.							
Godhra	49¾	90¼	140	...	...	140	
Kálol	11	24	35	...	...	35	
Hálol	16	28	44	...	...	44	
Dohad	23¾	49¼	73	...	...	73	
Jhálod	12¼	29¾	42	...	...	42	
Total ...	112¾	221¼	334	...	...	334	
GRAND TOTAL ...	290¾	261½	1,594¾	...	678	2,272¾	

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Bándra, 24th October 1895.

FORM No. 55.

FOREST DEPARTMENT, NORTHERN CIRCLE.

Return of Grazing in the State Forests during 1894-95.

Division.	Grazing on Payment—Number of Animals.													Grazing Free—Number of Animals.											Grand Total of Value at fu Rates.
	At full Rates.						At privileged Rates.							By right under Settlement.						During pleasure of Government, or otherwise than under Settlement.						
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Fees received.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Fees received. Actual.	Fees received. Value at full Rates.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Value of Fees at full Rates.	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other Animals.	Value of Fees at full Rates.	Total Value of Fees at full Rates.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.						Rs.						Rs.	Rs.	Rs.
East Thána	49	2,895	...	...	...	1,871	328	3,436	...	...	7	925	2,562	...	...	...	...	...	...	20,988	77,450	3,241	...	...	58,435	58,435	62,868
West Thána	68	137	...	...	...	171	99	399	...	...	...	103	255	...	...	...	...	...	...	42,118	80,501	5,119	...	493	90,407	90,407	90,833
Surat	1,148	3,358	...	...	...	1,338	...	....	...	...	...	...	...	62	369	...	...	...	308	...	...	...	...	...	...	...	1,646
Panch Mahals	583	4,810	...	...	...	3,362	802	4,590	46	...	...	560	3,110	...	...	...	...	...	...	7,533	65,995	...	...	...	7,872	7,872	14,344
Total of 1894-95 ...	1,848	11,200	...	...	...	6,742	1,229	8,425	46	...	7	1,588	5,927	62	369	...	...	...	308	70,639	223,946	8,360	...	493	1,56,714	1,56,714	1,69,691
Total of 1893-94 ...	1,774	11,492	3	...	4	6,960	1,762	10,209	40	...	26	2,019	7,663	4,355	26,685	...	...	95	9,161	44,520	211,855	14,644	...	1,624	1,21,560	1,30,721	1,45,344

Bándra. 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 56.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Area of Plantations, 1894-95.

Division.	Name of Plantation.	Area in Acres.				Receipts.	Charges.	Remarks.
		On 1st July 1894.	Added during the year.	Excluded during the year.	Area on 30th June 1895.	Of the year.		
1	2	3	4	5	6	7	8	9
	Regular Plantations.					Rs.	Rs.	
East Thána	Bhiwndi	210	38	...	248	...	70	
	Mokháda	90	79	70	99	...	32	
	Sháhápur	82	33	...	115	...	50	
	Khardi	56	24	...	80	...	19	
	Kalyán	93	99	98	94	...	60	
	Murbád	54	11	...	65	...	39	
	Váda	92	25	...	117	...	104	
	Total	677	309	168	818	...	374	
West Thána	Sálsette	144	3	...	147	...	44	
	Basseiu	2	...	...	2	...	...	
	Máhim	11	11	...	22	...	...	
	Dáhánu	4	...	...	4	...	...	
	Umbargaon	132	1	...	133	...	58	
	Total	293	15	...	308	...	102	
Surat	.....	...	...	...	...	...	...	
Panch Máháls	Godhra	60	45	...	105	8	46	
	Kálol	499	28	499	28	...	6	
	Hálol	14	30	14	30	...	15	
	Dohad	...	14	...	14	...	12	
	Jhálod	...	8	...	8	...	3	
	Total	573	125	513	185	8	82	
	Total Regular Plantations.	1,543	449	681	1,311	8	558	
	Cultural Operations.							
East Thána	Bhiwndi	958	100	...	1,058	...	...	
	Mokháda	693	114	...	807	...	...	
	Sháhápur	1,110	116	...	1,226	...	...	
	Khardi	717	122	...	839	...	...	
	Kalyán	1,729	347	...	2,076	...	...	
	Murbád	908	125	...	1,033	...	...	
	Váda	3,206	745	...	3,951	...	...	
	Total	9,321	1,669	...	10,990	...	...	
West Thána	Sálsette	1,091	105	...	1,196	...	50	
	Bassein	6,531	1,124	...	7,655	...	150	
	Máhim	8,293	1,623	...	9,916	...	147	
	Dáhánu	8,856	895	...	9,751	...	79	
	Umbargaon	3,175	893	...	4,068	...	82	
	Total	27,946	4,640	...	32,586	...	508	
Surat	Dángs	8	...	...	8	...	124	
	Mándvi	847	10	...	857	...	132	
	Bulsár	267	20	...	287	...	709	
	Chikhli	285	50	...	335	...	53	
	Párdi	136	5	...	141	...	6	
	Chorási	3	...	...	3	...	8	
	Total	1,546	85	...	1,631	...	1,032	
	Total Cultural Operations.	38,813	6,394	...	45,207	...	1,540	
	Add—Total Regular Plantations	1,543	449	681	1,311	8	558	
	Grand Total	40,356	6,843	681	46,518	8	2,098	

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Bándra, 24th October 1895.

B 1319—10 NC

FORM No. 57.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1894-95 and Agency of Exploitation.

Division.	TIMBER IN THE ROUGH; LOGS.					TIMBER IN THE ROUGH; POLES.					SAWN OR SQUARED TIMBER.					MISCELLANEOUS,					FUEL.					TOTAL.
	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Puchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
	C. ft.	C. ft.	C. ft.		C. ft.	C. ft.	C. ft.	C. ft.		C. ft.		C. ft.			C. ft.		C. ft.	C. ft.		C. ft.					C. ft.	C. ft.
East Thána ...	...	...	...	...	...	1,035	1,110,805	2,379	...	1,114,219	...	144,228	...	...	144,228	...	Timber 592,348 Bamboos No. 8,622 Cart-loads 380 Bamboos Head-loads 686	...	...	Timber 592,348 Bamboos No. 8,622 Bamboos Cart-loads 380 Bamboos Head-loads 686	450	1,911,108	...	...	1,911,558	Timber and firewood 3,762,353 Bamboos No. 8,622 Bamboos Cart-loads 380 Bamboos Head-loads 686
West Thána ...	....	...	...	...	...	150	1,892,709	816	...	1,893,675	...	...	...	...	...	...	Bamboos No. 1,429,818 Bamboos Cart-loads 5,456 Bamboos Head-loads 3,229	...	...	Bamboos No. 1,429,818 Bamboos Cart-loads 5,456 Bamboos Head-loads 3,229	...	2,627,158	...	...	2,627,158	Timber and firewood 4,520,833 Bamboos No. 1,429,818 Bamboos Cart-loads 5,456 Bamboos Head-loads 3,229
Surat	44,573	42,167	...	...	86,740	...	5,588	517	...	6,105	...	...	...	...	...	...	Bamboos No. 320,825, Ganjas 2,871 Paranas 27,186 Pipes 569	...	...	Bamboos No. 320,825 Ganjas 2,871 Paranas 27,186 Pipes 569	...	19,384	...	...	19,384	Timber and firewood 112,229 Bamboos No. 320,825 Ganjas 2,871 Paranas 27,186 Pipes 569
Panch Mahals...	8,444	1,626	220	...	10,290	72,166	129,045	21,150	...	222,361	...	...	...	...	...	...	Bamboos No. 123,599 Bamboos cart-loads 98	Bamboos No. 330	...	Bamboos No. 123,929 Bamboos Cart-loads 98	206,525	141,828	...	...	348,353	Timber and firewood 581,004 Bamboos No. 123,599 Bamboos Cart-loads 98
Total ...	53,017	43,793	220	...	97,030	73,351	3,138,147	24,862	...	3,236,360	...	144,228	...	...	144,228	...	Timber 592,348 Bamboos No. 1,882,864 Bamboos Cart-loads 5,934 Bamboos Head-loads 3,915 Ganjas 2,871 Paranas 27,186 Pipes 569	Bamboos No. 330	...	Timber No. 592,348 Bamboos No. 1,883,194 Bamboos Cart-loads 5,934 Bamboos Head-loads 3,915 Ganjas 2,871 Paranas 27,186 Pipes 569	206,975	4,699,478	...	...	4,906,453	Timber and firewood 8,976,419 Bamboos No. 1,883,194 Bamboos Cart-loads 5,915 Bamboos Head-loads 3,951 Ganjas 2,871 Paranas 27,188 Pipes 569

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 58.

Forest Department, Bombay, Northern Circle.

Outturn of Minor Forest Produce.

Division.	Description of Produce.	Produce removed or utilized.									
		By Government Agency.		By Purchasers.		By Free-grants.		By Right-holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
			Rs.		Rs.		Rs.		Rs.		Rs.
East Thána.	Myrabolams	...	...	...	1,005	...	...	...	...	...	1,005
	Karvi ... ... Cart-loads.	...	...	781	196	...	...	...	...	781	196
	Do. ... ... Head-loads.	...	...	232	7	...	...	...	...	232	7
	Thorns ... ... Cart-loads...	...	...	51	48	...	...	...	...	51	48
	Apta, Tembhurni Leaves and Beheda nuts	...	...	...	1,560	...	...	...	...		1,560
	Miscellaneous	...	...	...	12	...	...	...	...	...	12
	Total ...	...	...	...	2,828	...	...	...	...	...	2,828
West Thána.	Limestones ... Cart-loads.	...	...	6	6	...	...	...	...	6	6
	Thorns ... ... Head-loads.	...	...	64	39	...	...	...	...	64	39
	Sale of leaves and fruits of Toddy palms	...	...	...	1,984	...	...	...	...	...	1,984
	Karvi ... ... Head-loads.	...	...	4,604	828	...	...	...	...	4,604	828
	Do. ... ... Cart-loads.	...	...	1,786						1,786	
	Total ...	...	...	...	2,857	...	...	...	...	...	2,857
Surat.	Ashindra leaves ... Bundles ...	...	...	1,247,575	79	...	...	...	...	1,247,575	79
	Date palm trees and leaves ...	...	...	...	15	...	...	...	...	...	15
	Karanj seeds ... Maunds ...	...	...	63	4	...	...	...	...	63	4
	Moho flowers ... Do. ...	...	...	3,814	238	...	...	...	...	3,814	238
	Right of collecting Mhowra ...	...	...	...	600	...	...	...	...	...	600
	Reeds and Chhaj grass. Carts ...	...	...	1,101	370	...	...	...	...	1,101	370
	Different kinds of bamboo articles. Nos. ...	...	...	59,620	899	...	...	...	...	59,620	899
	Miscellaneous	...	...	...	18	...	...	...	...	...	18
	Total ...	...	...	...	2,223	...	...	...	...	...	2,223
Panch Mahals.	Mhowra flowers	..	...	...	1,092	...	...	...	...	...	1,092
	Thorns ... ... Cart-loads...	...	...	6	1	...	...	...	...	6	1
	Sand ... ... Do.	...	...	62	15	...	...	...	...	62	15
	Kankar ... ... Do.	...	...	31	15	...	...	...	...	31	15
	Miscellaneous	...	...	...	19	...	...	...	...	...	19
	Total ...	...	...	...	1,142	...	...	...	...	...	1,142
	Grand Total ...	...	...	...	9,050	...	...	...	...	...	9,050

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 59.

FOREST DEPARTMENT, NORTHERN CIRCLE.

Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally during the year 1894-95.

Particulars.	Number or Quantity.	Cubic feet.	Total of each head: Number or Quantity.	Total of each head: Cubic feet.	Particulars.	Number or Quantity.	Cubic feet.	Total of each head: Number or Quantity.	Total of each head: Cubic feet.
					TIMBER.				
Balance at the commencement of the year.					*Sold locally.*				
East Thána .. Timber pieces mixed ..	24	72	24	72	Teak pieces, including beams, &c.	21,596	61,096	..	..
					Do. rafters and poles	60,940	67,405	..	..
West Thána .. Teak pieces	560	1,680	...	...	Mixed Timber pieces	135	334	..	..
Junglewood pieces ..	81	245	641	1,925	Junglewood pieces and rafters ..	3,826	4,930	..	..
					Teak pieces used for fencing ..	179	537	..	..
Surat .. .. Teak pieces, including beams, &c.	2,637	11,471	..	..				86,676	134,332
Teak rafters	7,000	7,745	..	..	*Balance at the close of the year.*				
Junglewood pieces ..	141	333	..	..					
Timber pieces of Kilgi ..	11	278	..	..	East Thána .. Timber pieces mixed.	154	462	..	..
Do. of Bondára .	11	292	..	..				154	462
Do. of Sádara .	43	622	..	..					
Do. of Haladvan	13	277	..	..					
Do. of Kanti ..	16	322	..	..					
Do. of Beo ..	15	298	..	..	West Thána. Teak pieces	384	1,152	..	..
Do. of Khair ..	11	117	..	..	Junglewood pieces.	99	297	..	..
Do. of Sissum ..	1	17	..	..				483	1,449
Do. of Tanach ..	116	105	..	..					
			10,015	21,883					
Panch Mahals. Teak pieces, including beams.	95	289	...	..	Surat .. Teak pieces ..	206	4,613	..	..
Teak rafers and poles ..	349	412	..	..	Mixed Timber pieces.	132	333	..	..
Junglewood pieces ..	113	85	557	786				338	4,946
					Panch Mahals Teak pieces including beams.	571	1,204	..	..
Total Balance ..	..	..	11,237	24,669	Teak pieces, rafters and poles.	2,351	2,134	..	..
					Junglewood pieces, rafters, &c.	165	97	..	..
Received from Forests in Depôt.								3,087	3,435
Teak pieces, including beams, logs, &c. ..	19,644	55,162	..	..					
Teak rafters and poles	55,942	61,382	..	..					
Mixed Timber pieces	397	1,087	..	..					
Junglewood pieces and rafters	3,518	2,327	79,501	119,958					
								90,738	144,624
Total Timber ..	..	..	90,732	144,624					
					FIREWOOD.				
Balance in hand at the commencement of the year.	Khandis.				*Sold during the year,*				
West Thána	8	100	..	..					
Panch Mahals	119	5,355	..	..	East Thána .. Cart-loads..	10	450	10	..
			127	5,455	West Thána .. Khandies..	8	100	8	..
Received during the year.					Surat .. .. Cart-loads..	164½	2,796	..	..
					Panch Mahals .. Khandies..	4,125	185,690	..	..
East Thána .. .. .. Cart-loads	10	450	..	..					
Surat .. .. Do. ..	87	1,479	..	..					189,036
Carts ..	77½	1,317	..	..	*Balance at the close of the year.*				
Panch Mahals .. .. Khandies ..	4,589	206,525	..	..					
			..	209,771	Pahch Mahals .. Khandies..	542	29,190	Khandies.	..
								542	26,190
Tatal Firewood ..	..	..	..	215,226					215,226
					BAMBOOS.				
Received during the year.	Nos.				*Sold during the year.*				
Surat	1,690	..	1,690	..	Surat Bamboos	1,690	..	1,690	..
					SEEDS.				
Balance at the close of the year.	K. M. lbs.		K. m. lbs.		*Used during the year.*	K, m. lbs.			
East Thána	47 15 1	..	..	..	East Thána	85 23 2½	..	..	..
Panch Mahals	3 19 13	..	..	..	Panch Mahals	10 24 18	..	..	..
			51 6 14	..					
Received during the year.					*Balance at the close of the year.*				
East Thána	59 21 14½	..	..	..					
Panch Mahals	14 8 8	..	..	..	East Thána	21 13 13	..	..	..
					Panch Mahals	7 3 3	..	..	K. m. lbs.
			74 1 22½					..	125 8 8½
Total ..	..	..	125 8 8½	..		..	..	..	..

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Bándra, 24th October 1895.

FORM No. 60.

Forest Department, Bombay, Northern Circle.

Abstract showing the Value of Timber and other Produce at Sale Depôts for the year 1894-95.

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in Value.		Remarks.
	Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.	
East Thána.	Kh. Mds. lbs.		Rs.	Kh. Mds. lbs.		Rs.			
Miscellaneous seeds ...	47 15 1	...	...	21 13 13	...	...	...	...	
Mixed timber pieces ...	24	72	5	154	462	32	...	...	
Total ...	...	...	5	...	...	32	27	...	
West Thána.									
Teak pieces...	560	1,680	200	384	1,152	100	...	100	
Junglewood pieces... ...	81	245	40	99	297	40	...	...	
Firewood khandis	8	100	2	...	...	...	...	2	
Total ...	649	2,023	242	483	1,449	140	...	102	
Surat.									
Teak pieces including beams, rafters, &c.	9,637	19,216	14,000	206	4,613	3,500	...	...	
Junglewood pieces... ...	378	2,667	525	132	333	50	...	...	
Total ...	10,025	21,883	14,525	338	4,946	4,000	...	...	
Panch Mahâls.									
Teak pieces including beams	92	289	91	571	1,204				
Teak rafters and poles ...	349	412	77	2,351	2,134				
Junglwood trees	...	...	...	11	16	800	592	...	
do. pieces	113	85	40	19	14				
do. rafters	...	...	...	135	67				
Firewood khandis ...	119	5,355	25	582	26,190	350	325	...	
	Kh. Mds. lbs.			Kh. Mds. lbs.					
Miscellaneous seeds ...	3 19 13	...	...	7 3 3	...	...	...	...	
Total ...	...	...	233	...	...	1,150	917	...	
Grand Total ...	...	...	15,005	...	...	5,322	944	10,627	

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Bándra, 24th October 1895.

B 1319—11 NC

FORM No. 60A.

FOREST DEPARTMENT, NORTHERN CIRCLE.

Abstract showing Value of Live and Dead Stock for the year 1894-95.

Description of Live and Dead Stock.	On hand at commencement of the Year.		On hand at close of the Year.		Difference in Value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
Direction.		Rs.		Rs.	Rs.	Rs.	
Office tent	1	420	1	420	...	...	
Tools, plant and office furniture ...	...	408	...	428	...	...	
Total ...	...	828	...	848	20	...	
East Thána.							
Office tent	1	433	1	433	...	...	
Small routies	2	186	2	186	...	...	
Great coats	201	1,309	...	...	...	...	
Tools, plants and office furniture...	...	930	...	1,030	...	...	
Tánsa Forest Bungalow ...	1	1,871	...	1,871	...	...	
Forest Depôt-houses—							
Vásind	1	1,173	1	1,173	...	...	
A'tgaon	1	1,061	1	1,061	...	...	
Vángni	1	1,173	1	1,173	...	...	
Kására	1	1,061	1	1,061	...	...	
Total ...	...	9,197	...	7,988	...	1,209	
West Thána.							
Parel Bungalow	1	1,200	1	1,200	...	...	
Forest Depôt-house at Mándvi ...	1	250	1	250	...	...	
Do. Mánikpur ...	1	603	1	603	...	...	
Forest stations	38	570	38	570	...	...	
Forest posts	82	840	82	840	...	...	
Forest Depôt-house at Pálghar ...	1	1,083	1	1,083	...	...	
Do. Manor ...	1	1,083	1	1,083	...	...	
Do. Sewta ...	1	1,083	1	1,083	...	...	
Do. Sanján ...	1	1,083	1	1,083	...	...	
Do. Wangaon ...	1	1,053	1	1,053	...	...	
Office tent	1	433	1	433	...	...	
Small routies	1	94	2	166	...	...	
Great coats	226	1,359	185	1,112	...	...	
Tools, plant and office furniture ...	...	2,480	...	2,480	...	...	
Total ...	...	13,214	...	13,039	...	175	
Surat.							
Mándvi Bungalow	...	...	1	1,800	...	...	
Office tent	1	433	1	433	...	...	
Andhátri Bungalow	1	291	1	291	...	...	
Dhadavda do.	1	80	1	80	...	...	
Tárápur do.	1	100	1	100	...	...	
Large Bungalow at Wághai ...	1	} 1,099	{ 1	} 1,099	...	...	
Small do. do. ...	1		{ 1				
Large Bungalow at Pimpri ...	1	499	1	499	...	...	
Do. at Garvi ...	1	1,012	1	1,012	...	...	
Small do. ...	1	288	1	288	...	...	
Great coats	65	455	65	455	...	...	

FORM No. 60A—*continued.*

Description of Live and Dead Stock.	On hand at commencement of the Year.		On hand at close of the Year.		Difference in Value.		Remarks.
	No.	Value.	No.	Value.	In favor of the year.	Against the year.	
		Rs.		Rs.	Rs.	Rs.	
Surat—continued.							
Gandiva Post	1	61	1	61	...	...	
Sarowar Bungalow	1	2,379	1	2,379	...	...	
Mheskatri do.	1	1,500	1	1,500	...	...	
Tools, plant and office furniture ...	...	1,747	...	3,170	...	...	
Total ...	...	9,944	...	13,167	3,223	...	
Panch Mahâls.							
Rest-houses and depôts ...	45	2,525	29	1,112	...	...	
Bungalow at Godhra... ...	1	8,200	1	8,200	...	...	
Office tent	1	433	1	433	...	...	
Great coats	110	717	110	717	...	...	
Tools, plant and office furniture ...	...	1,356	...	1,421	...	...	
Total ...	...	13,231	...	11,883	...	1,348	
Working-Plans.							
Office tent	1	85	1	85	...	...	
Tools, plant and office furniture ...	...	422	...	422	...	...	
Total ...	...	507	...	507	...	...	

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

Rándra, 24th October 1895.

FORM No. 61.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Summary of Revenue and Expenditure of the different Divisions for the Forest year 1894-95 (July 1894 to June 1895).

Budget Heads.	Direction.	East Thána Division.	West Thána Division.	Surat Division.	Panch Mahâls Division.	Working Plans Division.	Bombay Forest Survey.	Total from July 1894 to June 1895.
REVENUE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I.—Timber and other Produce removed from the Forests by Government Agency—								
a. Timber	.....	108 12 3	80 4 0	36,199 7 1	9,971 9 9	.....	.....	46,360 1 1
b. Firewood and charcoal	.....	1 13 0	695 15 9	66 0 0	2,331 11 0	.....	.....	3,095 7 9
c. Bamboos	.....	.....	.....	20 8 0	4 0 0	.....	.....	24 8 0
d. Sandalwood	.....	.....	.....	.....	.....	.....	.....	.....
e. Grass and other minor produce	.....	.....	15 10 0	.....	.....	.....	.....	15 10 0
Total, I	.....	110 9 3	791 13 9	36,285 15 1	12,307 4 9	.....	.....	49,495 10 10
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—								
a. Timber	.....	1,97,914 8 0	3,27,479 6 9	15,445 12 6	54,704 11 3	.....	.....	5,95,544 6 6
b. Firewood and charcoal	.....	1,010 11 7	3,690 14 1	400 15 4	1,915 15 1	.....	.....	7,018 8 1
c. Bamboos	.....	567 11 6	19,027 11 5	9,816 5 1	1,753 5 9	.....	.....	31,165 1 9
d. Grazing and fodder grass	.....	2,974 5 6	13,098 10 0	1,716 2 0	7,345 13 3	.....	.....	25,134 14 9
e. Other minor produce	.....	2,828 11 0	2,857 0 9	2,222 8 8	1,142 15 6	.....	.....	9,051 3 11
f. Forest stamps	.....	.....	.....	.....	.....	.....	.....	.....
g. Other items	.....	.....	.....	.....	.....	.....	.....	.....
Total, II	.....	2,05,295 15 7	3,66,153 11 0	29,601 11 7	66,862 12 10	.....	.....	6,67,914 3 0
III.—Drift and Waif Wood and confiscated Forest Produce	.....	884 8 10	586 2 7	455 15 2	108 7 3	.....	.....	2,035 1 10
Total, III	.....	884 8 10	586 2 7	455 15 2	108 7 3	.....	.....	2,035 1 10
IV.—Revenue from Forests not managed by Government—								
a. Duty on foreign timber and other forest produce	.....	.....	.....	.....	.....	.....	.....	.....
b. Revenue from shared and private forests	.....	3,290 5 10	114 3 1	5 1 9	6 0 0	.....	.....	3,415 10 8
Total, IV	.....	3,290 5 10	114 3 1	5 1 9	6 0 0	.....	.....	3,415 10 8
V.—Miscellaneous—								
a. Fines and forfeitures	.....	2,492 10 8	1,948 7 0	11 6 0	264 13 0	.....	.....	4,717 4 8
b. Refunds	3 13 2	0 12 11	12 9 10	32 11 11	54 0 9	9 0 0	.....	593 15 5
c. Other sources	0 14 6	4,479 14 5	4,172 11 10	806 15 2	1,041 12 4	5 6 0	.....	10,507 10 3
Total, V	4 11 8	6,973 6 0	6,133 12 8	851 1 1	1,360 10 1	14 6 0	.....	15,818 14 4
Grand Total, Revenue	4 11 8	2,16,554 13 6	3,73,779 11 1	67,199 12 8	80,645 2 11	14 6 0	.....	7,38,679 8 8

EXPENDITURE.

A.—Conservancy and Works.

I.—Timber and other Produce removed from the Forests by Government Agency—								
a. Timber	.....	36 8 0	63 1 0	12,358 9 8	430 15 4	.....	.....	12,889 2 0
b. Firewood and charcoal	.....	.....	178 4 0	41 13 6	0 13 0	.....	.....	220 14 6
c. Bamboos	.....	.....	.....	.....	.....	.....	.....	.....
d. Sandalwood	.....	.....	.....	.....	.....	.....	.....	.....
e. Grass and other minor produce ...	.....	.....	.....	.....	.....	.....	.....	.....
Total, A I ...	.....	36 8 0	241 5 0	12,400 7 2	431 12 4	.....	.....	13,110 0 6
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers ...	28 6 0	2,486 2 0	6,155 14 8	2,890 5 1	768 4 8	.....	.....	12,329 0 5
Total, A II ...	28 6 0	2,486 2 0	6,155 14 8	2,890 5 1	768 4 8	.....	.....	12,329 0 5
III.—Drift and Waif Wood and confiscated Forest Produce	.....	23 15 6	42 12 6	23 11 9	5 0 0	.....	.....	95 7 9
Total, A III ...	.....	23 15 6	42 12 6	23 11 9	5 0 0	.....	.....	95 7 9
IV.—Revenue from Forests not managed by Government—								
a. Duty on foreign timber and other forest produce	.....	.....	.....	.....	.....	.....	.....	.....
b. Revenue from shared and private forest ...	.....	.....	.....	.....	.....	.....	.....	.....
Total, A IV ...	.....	.....	.....	.....	.....	.....	.....	.....
V.—Rent of leased Forests and payments to shareholders in Forests managed by Government	.....	728 15 7	.....	18,198 13 2	.....	.....	.....	18,927 12 9
Total, A V ...	.....	728 15 7	.....	18,198 13 2	.....	.....	.....	18,927 12 9
VI.—Live Stock, Stores, Tools and Plant—								
a. Purchase of cattle...	.....	.....	.....	.....	.....	.....	.....	.....
b. Feed and keep of cattle	.....	.....	.....	.....	.....	.....	.....	.....
c. Purchase of stores, tools and plant ...	20 8 0	109 8 0	81 5 0	180 1 6	239 3 3	.....	.....	630 9 9
Total, A VI ...	20 8 0	109 8 0	81 5 0	180 1 6	239 3 3	.....	.....	630 9 9
Carried over Total of Heads A I to A VI ...	48 14 0	3,385 1 1	6,521 5 2	33,693 6 8	1,444 4 3	.....	.....	45,092 15 2

Budget Heads.	Direction.	East Thána Division.	West Thána Division.	Surat Division.	Panch Mahâls Division.	Working Plans Division.	Bombay Forest Survey.	Total Forest year 1894-95.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Brought over Total of Heads A I, to A VI ...	48 14 0	3,385 1 1	6,521 5 2	33,693 6 8	1,444 4 3	.....	.....	45,092 15 2
EXPENDITURE—*continued.*								
A.—CONSERVANCY AND WORKS—*continued.*								
VII.—Communications and Buildings—								
a. Roads and bridges	.....	.....	.....	1,055 2 6	.....	.....	.....	1,055 2 6
b. Buildings	.....	542 11 0	490 9 0	6,637 8 11	661 1 6	.....	.....	8,331 14 5
c. Other works	.....	.....	.....	705 10 0	42 5 6	.....	.....	747 15 6
Total, A VII ...	.....	542 11 0	490 9 0	8,398 5 5	703 7 0	.....	.....	10,135 0 5
VIII.—Organization, Improvement, and Extension of Forests—								
a. Demarcation	.....	195 13 9	68 3 0	811 7 3	2,282 1 6	.....	.....	3,357 9 6
b. Cost of settlements; compensation for land and rights	.....	4,791 1 10	2,254 3 6	.....	48 2 6	.....	.....	7,093 7 10
c. Surveys	.....	A25 11 11	13 1 9	.....	1 6 0	.....	B11,219 2 7	11,259 6 3
d. Working-plans	.....	544 0 0	491 12 6	522 7 7	465 5 6	7,111 1 11	.....	9,134 11 6
e. Sowing and planting	.....	373 15 0	586 12 10	1,031 5 7	600 6 3	.....	.....	2,592 7 8
f. Protection from fire	.....	1,476 6 3	2,141 2 6	1,459 0 9	63 4 0	.....	.....	5,139 13 6
g. Other works	.....	94 0 0	152 3 0	707 0 6	21 15 4	.....	.....	975 2 10
Total, A VIII ...	.....	7,501 0 9	5,707 7 1	4,531 5 8	3,482 9 1	7,111 1 11	11,219 2 7	39,552 11 1
IX.—Miscellaneous—								
a. Law charges	.....	91 8 0	6 14 6	.....	.....	.....	.....	98 6 6
b. Other charges	.....	1,529 1 2	—695 13 1	732 15 6	515 7 10	.....	.....	2,081 11 11
Total, A IX ...	.....	1,620 9 2	—688 14 7	732 15 6	515 7 10	.....	11,219 2 7	2,180 1 11
Total.—Conservancy and Works ...	48 14 0	13,049 6 0	12,030 6 8	47,356 1 3	6,145 12 2	7,111 1 11	.....	96,960 12 7

| | | |

FORM No. 62.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Annual Account Current for the Forest Year 1894-95.

	Rs a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.
To Opening Balance	.....	248 10 3	1. Refunds and Drawbacks—Refunds—		
VIII. Assessed Taxes—Income Tax—			Divided Heads, Forest	2,364 9 0	
Deductions by Government from			Income Tax	8 6 7	
Salaries and Pensions	.....	2,567 8 9			2,372 15 7
IX. Forest (as per Summary)	.....	7,38,679 8 8	11. Forest (as per Summary)	.....	2,78,774 10 2
XII. Interest—			19. Law and Justice—		
Interest on Arrears of Revenue ...	.....	.....	Jails, District Jails, Contingencies ...	.....	.....
XXII. Receipts in aid of Superannuation			32. Miscellaneous—		
Bengal Military Fund—			Miscellaneous Refunds—		
Bengal Military Orphan Fund...	.....	.....	Refund of lapsed Deposits	.....	2 0 0
XXIII. Stationery and Printing—			Revenue Deposits (Forests)	.....	55,615 5 9
Stationery Receipts—			Cheques and Bills (Forests cheque cancelled).	.....	1,484 2 5
Sale-proceeds of Stationery Boxes...	.....	.....	Advances Recoverable—		
Other Press Receipts—			Forest Advances	1,39,711 0 9	
Government Central Press	.....	.....	Tentage Advances	.....	
XXV. Miscellaneous—			Objection Book Advances	68,231 14 9	
Sale-proceeds of old Materials ...	4 4 6				2,07,942 15 6
Unclaimed Deposits—Other Deposits...	1,700 7 6		Cash Recoveries	.....	4,023 14 10
		1,704 12 0	Forest Remittances—		
Revenue Deposits (Forest)	.....	51,461 0 5	Remittances to Treasuries	7,85,759 12 5	
Cheques and Bills (Departmental Cheques), Forest	.....	3,80,701 15 4	Inter-divisional Transfers	.....	
Advances Recoverable—			Inter-departmental Transfers	.....	
Forest Advances	1,40,119 1 9	.....			7,85,759 12 5
Tentage Advancies	11 1 9	.....			
Objection Book Advances	17,764 10 10	1,57,894 14 4			

Cash Recoveries	.....		4,023 14 10	Bombay Uncovenanted Service Family Pension Fund—			
Forest Remittances—				Widows' Branch	.....		4 6 4
Remittances to Treasuries	827 11 2			Accounts Current—			
Inter-divisional Transfers	.....						
Inter-departmental Transfers	597 1 10						
			1,424 13 0	Account between Bombay and Military, Bombay—			
Bombay Uncovenanted Service Family Pension Fund—							
Widows' Branch	.....		682 1 4	IV. Items adjustable by Military ...	.....		.....
Military Bengal Eastern Circle—				Account between Bombay and P. W. Department, Bombay (Ordinary Branches)—			
IV. Indian Military Service Family Pension Fund	.....		929 13 0				
				IV. Item adjustable by P. W. Department	.....		.....
Account between India and Bombay—				Inter-departmental charges ...	.....		189 8 0
III. Items adjustable by India—				Account between Bombay and P. W. Department (Railway Branch)——————Railway—			
Bengal Military Fund	.....			IV. Items adjustable by P. W. Department	.....		.....
Bengal Military Orphan Fund ...	.....			Account between India and Bombay—			
Bengal Uncovenanted Service Family Pension Fund	226 0 0						
Revenue Survey of India	1,278 1 4			III. Items adjustable by India—			
			1,504 1 4				
Account between Bombay and P. W. Department, Bombay—				Topographical Survey	.....		1,720 4 9
IV. Payments into Treasuries by Civil Officers on Account of P. W. Department	.....		40 6 2	Closing Balance ...	.....		3,973 7 8
Total ...	.....		13,41,863 7 5	Total ...	.....		13,41,863 7 5

No. $\frac{\text{F.}}{14809}$,

Forwarded to the Deputy Conservator of Forests, Northern Circle, under Section 267 of the Forest Department Code.

Accountant General's Office,
Bombay, 3rd September 1895.

O. T. BARROW,
Accountant General.

B 1319—13 NC.

FORM No. 63.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Revenue received and Outstandings on account of Revenue during 1894-95.

Division.	Particulars.	Outstandings at commencement of year.	Value of Sales and other Revenue during year.	Total.	Amount realized during year.	Balance due to the Department at end of year.	REMARKS.
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
East Thána ...	*I.—Timber and other Produce removed from the Forests by Government Agency—*						
	(*a*). Timber	.....	108 12 3	108 12 3	108 12 3	.....	
	(*b*). Firewood and charcoal	.....	1 13 0	1 13 0	1 13 0	.....	
	II.- Timber and other Produce removed from the Forests by Consumers and Purchasers—						
	(*a*). Timber	5,166 0 0	1,97,914 8 0	20,30,80 8 0	1,97,914 8 0	5,166 0 0	
	(*b*). Firewood and charcoal	.....	1,010 11 7	1,011 11 7	1,010 11 7	.....	
	(*c*). Bamboos	.....	567 11 6	567 11 6	567 11 6	.....	
	(*d*). Grazing and fodder grass ...	.....	2,974 5 6	2,974 5 6	2,974 5 6	.....	
	(*e*). Other minor produce	1,450 0 0	2,828 11 0	4,278 11 0	2,828 11 0	1,450 0 0	
	III.—Drift and Waif Wood and Confiscated Forest Produce	.....	884 8 10	884 8 10	884 8 10	.....	
	Total ...	6,616 0 0	2,06,291 1 8	2,12,907 1 8	2,06,291 1 8	6,616 0 0	
West Thána ...	*I.—Timber and other Produce removed from the Forests by Government Agency—*						
	(*a*). Timber	.....	80 0 0	80 0 0	80 0 0	.....	
	(*b*). Firewood and charcoal	.....	696 0 0	696 0 0	696 0 0	.....	
	II. - Timber and other Produce removed from the Forests by Consumers and Purchasers—						
	(*a*). Timber	.....	3,27,479 0 0	3,27,479 0 0	3,27,479 0 0	.....	
	(*b*). Firewood and charcoal	.....	3,691 0 0	3,691 0 0	3,691 0 0	.....	
	(*c*). Bamboos	.....	19,028 0 0	19,028 0 0	19,028 0 0	.....	
	(*d*). Grazing and fodder grass ...	.....	13,099 0 0	13,099 0 0	13,099 0 0	.....	
	(*e*). Other minor produce	.....	2,857 0 0	2,857 0 0	2,857 0 0	.....	
	III.—Drift and Waif Wood and Confiscated Forest Produce	.....	586 0 0	586 0 0	586 0 0	.....	
	Total ...	.....	3,67,516 0 0	3,67,516 0 0	3,67,516 0 0	.....	

Surat ...	*I.—Timber and other Produce removed from the Forests by Government Agency—*					
	(*a*). Timber	.....	36,199 7 1	36,199 7 1	36,199 7 1	.....
	(*b*). Firewood	.....	66 0 0	66 0 0	66 0 0	.....
	(*c*). Bamboos	.....	20 8 0	20 8 0	20 8 0	.....
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—					
	(*a*). Timber	.....	15,445 12 6	15,445 12 6	15,445 12 6	.....
	(*b*). Firewood and charcoal	.....	400 15 4	400 15 4	400 15 4	.....
	(*c*). Bamboos	.....	9,816 5 1	9,816 5 1	9,816 5 1	.....
	(*d*). Grazing and fodder grass... ...	.....	1,716 2 0	1,716 2 0	1,716 2 0	.....
	(*e*). Other minor produce	.....	2,222 8 8	2,222 8 8	2,222 8 8	.....
	III.—Drift and Waif Wood and Confiscated Forest Produce	.....	455 15 2	455 15 2	445 15 2	.....
	Total ...	.....	66,343 9 10	66,343 9 10	66,343 9 10	.....
Panch Mahals...	*I.—Timber and other Produce removed from the Forests by Government Agency—*					
	(*a*.) Timber	.....	9,971 9 9	9,971 9 9	9,971 9 9	.....
	(*b*). Firewood and charcoal	.....	2,331 11 0	2,331 11 0	2,331 11 0	.....
	(*c*). Bamboos	.....	4 0 0	4 0 0	4 0 0	.....
	II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—					
	(*a*). Timber	.....	54,704 11 3	54,704 11 3	54,704 11 3	.....
	(*b*). Firewood and charcoal	.....	1,915 15 1	1,915 15 1	1,915 15 1	.....
	(*c*). Bamboos	.....	1,753 5 9	1,753 5 9	1,753 5 9	.....
	(*d*). Grazing and fodder grass ...	.....	7,345 13 3	7,345 13 3	7,345 13 3	.....
	(*e*). Other minor produce	.....	1,142 15 6	1,142 15 6	1,142 15 6	.....
	III.—Drift and Waif Wood and Confiscated Forest Produce	.....	108 7 3	108 7 3	108 7 3	.....
	Total ...	.....	79,278 8 10	79,278 8 10	79,278 8 10	.....
	GRAND TOTAL ...	6,616 0 0	7,19,429 4 4	7,26,045 4 4	7,19,429 4 4	6,616 0 0

Bandra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

FORM No. 64.

FOREST DEPARTMENT, BOMBAY, NORTHERN CIRCLE.

Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year 1894-95.

Division.	DEPARTMENT DEBTOR.			DEPARTMENT CREDITOR.			BALANCE DUE.		REMARKS.
	At commencement of year.	Recoveries in cash and value of supplies and work done during year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To Department (Outstandings).	By Department (Liabilities).	
Contractors.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Surat	.....	5,450 0 0	5,450 0 0	1,200 0 0	4,500 0 0	5,700 0 0	250 0 0	...	
Total Contractors ...	.....	5,450 0 0	5,450 0 0	1,200 0 0	4,500 0 0	5,700 0 0	250 0 0	...	
Disbursers.									
East Thána	.....	40,282 5 5	40,282 5 5	1,444 8 2	40,305 7 10	41,750 0 0	1,467 10 7	...	
West Thána ...	.....	36,812 1 3	36,812 1 3	1,997 8 8	36,931 4 0	38,928 12 8	2,116 11 5	...	
Surat	.....	32,677 4 10	32,677 4 10	353 5 4	32,991 6 8	33,344 12 0	667 7 2	...	
Panch Mahâls ...	.....	16,578 3 0	16,578 3 0	202 14 2	16,726 10 3	16,929 8 5	351 5 5	...	
Working Plans ...	.....	2,290 1 7	2,290 1 7	.....	2,291 13 1	2,291 13 1	1 11 6	...	
Bombay Forest Surveys ...	.....	6,029 1 8	6,029 1 8	64 10 9	5,964 6 11	6,029 1 8	.....	...	
Total Disbursers ...	.....	1,34,669 1 9	1,34,669 1 9	4,062 15 1	1,35,211 0 9	1,39,273 15 10	4,604 14 1	...	
GRAND TOTAL ...	.....	1,40,119 1 9	1,40,119 1 9	5,262 15 1	1,39,711 0 9	1,44,973 15 10	4,854 14 1	...	

No. $\frac{F.}{14808}$

Forwarded to the Deputy Conservator of Forests, Northern Circle, under Sections 265, 267, 268 of the Forest Department Code.

Accountant General's Office, Bombay,
2nd September 1895.

O. T. BARROW,
Accountant General.

B 1319—14 KG

FORM No. 65.

FOREST DEPARTMENT, NORTHERN CIRCLE.

Financial Results of the year 1894-95.

Division.	TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY.		OTHER REVENUE.		FORMATION, PROTECTION AND IMPROVEMENT OF FORESTS.	TOTAL.		REMARKS.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
East Thána...	995	60	2,15,560	3,916	69,874	2,16,555	73,850	
West Thána	1,378	284	3,72,401	6,728	62,814	3,73,779	69,826	
Surat	36,742	12,425	30,958	29,667	39,409	67,700	81,501	
Panch Mahals	12,416	437	68,229	7,711	42,606	80,645	50,754	
Total ...	51,531	13,206	6,87,148	48,022	2,14,703	7,38,679	2,75,931	

Bándra, 24th October 1895.

R. C. WROUGHTON,
Deputy Conservator of Forests, Northern Circle.

No. 198 OF 1896.

REVENUE DEPARTMENT.

Office of the Commissioner, N. D.,
Ahmedabad, 18th January 1896.

Forwarded.

2. The Northern Circle has during the year been under the administration of Mr. Wroughton, who submits the report.

3. Paragraphs 2 and 8 show the changes in the State forest area, but the particulars given in paragraph 2 "a large proportion is due to rectification of the records of the Forest Settlement Officer on whose report the change is made" is hardly a sufficient explanation of the large decrease in protected forest over and above the area transferred to Reserved Forest, nor do the forms 46 and 46 A supply the deficiency.

4. The progress made during the year in forest settlement and demarcation was slow, but this was chiefly due to Mr. Orr's bad health. The only work now remaining to be done is the completion of the settlement of Murbád and demarcation and settlement of Shahápur. There need not be much delay or trouble in connection with the acquisition of lands, as it appears that negotiations have been completed or are nearly so in most cases. The whole work should be completed by the end of the current year as anticipated.

5. The cost of the forest survey seems heavy, though apparently the rate is less than last year. The figures for area surveyed in detail are wrongly printed and should be 55·57 and not 5,557 square miles.

6. Mr. Millet's visit to the Panch Maháls has resulted in a scheme having been drawn up for working the Godhra forests. The progress made in Thána in marking coupes on the ground is more satisfactory as 255 coupes were marked out against 155. This is, however, a slow rate as remarked by the Conservator.

7. The total expenditure incurred on buildings and communications amounted to Rs. 10,100, of which Rs. 9,045 were spent on the former and Rs. 1,055 only on the latter. The Commissioner would be glad to see more expenditure incurred on communications.

8. With reference to paragraph 31 the Commissioner would reiterate his remark in paragraph 7 of his review of last year's report, as regards the insufficiency of the protective establishment.

9. There has been an increase in offences against the Forest law both as regards cases taken into Court and those reported as undetected; but it is satisfactory to find the proportion of failures in the former has fallen from 38 to 31 per cent. Similarly, cases compounded also show an increase, but of the 451 such cases the amount of compensation paid did not exceed Rs. 2 in 327.

10. The most interesting part of the report is that on fire protection. Mr. Wroughton has now been long enough in charge of the Division to thoroughly understand the practical working of the system. The Commissioner considers that they call for the serious attention of Government. The result of the experiment of employing temporary fire protective establishments may perhaps be awaited before more drastic measures are adopted. But the Commissioner understands that Mr. Cappel is in agreement with the Conservator. There appears to be good reason to believe that the fires are largely due to the custom of burning the jungles for purposes of sport. The number of gun licenses in Thána was enormously increased by Mr. Sinclair, and there can be no objection to refusing renewals in villages where the reserves have been burnt. The efforts made by Mr. Wallinger in the Mándvi Táluka deserve commendation. His failure has been clearly explained by the Conservator. It is to be hoped that he will be more successful in the Panch Maháls, to which he has been recently transferred.

11. The number of cattle impounded continues to be moderate, but there is no doubt that the number impounded in Thána is disproportionately small as remarked by the Conservator.

12. In paragraph 53 the Conservator gives an alarming account of the state of natural reproduction, and if fire protection is not more efficient, the result will be complete denudation in a few years.

13. The departmental operations were very limited, but the amount of timber, junglewood, firewood and charcoal removed by contractors from the Thána forests is very considerable, showing that the demand, in spite of large cuttings having been made in Jowhár and Dharampor, continues unabated. The coupe system in Thána works well, as only 15 of the 143 coupes for sale remained unsold, while six of the previous year were taken up. The sales of timber were considerably less than the previous year in both Surat and the Panch Mahâls, but more firewood was removed by purchasers in the former. There was also a large falling off in the realizations from the sale of bamboos in Surat. The reason for this is explained in paragraph 86.

14. The financial results show a surplus of Rs. 4,62,749 against Rs. 4,96,007; this, considering the large loss referred to in paragraph 95, is very satisfactory. The fluctuations have been fully explained by the Conservator, both on the receipt as well as the expenditure side.

15. The extracts from the Collectors' reviews contain some important points, the chief among them, relating to the Thána forests, is the re-afforestation of cleared compartments so frequently and emphatically referred to by the Conservator of Forests in his remarks; the Collector also refers to the need for increased establishment. The Collector of the Panch Mahâls notices several important matters and as attention has been drawn to them, the Conservator will, no doubt, take such remedial measures as may be possible. The Collector's remarks in paragraph 10 are sufficiently serious to call for immediate action, and as Mr. Wroughton has recently inspected some of the important forest tracts in the Panch Mahâls, he will no doubt be prepared to move in the matter. It is to be regretted that Mr. Lely had not the opportunity, owing to his absence on leave, of recording his remarks on the Surat Divisional Officer's report.

G. B. REID,
Commissioner, N. D.

CENTRAL CIRCLE.

No. 5844 of 1895-96.

From

The Honourable Mr. A. T. SHUTTLEWORTH,
Conservator of Forests, Central Circle;

To

The SECRETARY to GOVERNMENT,
Revenue Department,
Bombay.

Camp Songaon, Poona District:
Dated 13th December 1895.

Sir,

I have the honour to submit herewith the Forest Administration Report of the Central Circle for the Forest year 1894-95, together with its prescribed subsidiary statements.

I have the honour to be,
Sir,
Your most obedient Servant,
A. T. SHUTLLEWORTH,
Conservator of Forests, Central Circle.

Through the Commissioner, Central Division.